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Sheet	1	of	1
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Complete if Known

Application Number	10/729,231
Filing Date	12/05/2003
First Named Inventor	Roger Thomas
Art Unit	3725
Examiner Name	N/A
Attorney Docket Number	P-US-PR 1107

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**Examiner
Signature**

Date
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor, must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1448A/PTO <h2 style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</h2> <p style="text-align: center;">(Use as many sheets as necessary)</p>		<h3 style="text-align: center;">Complete if Known</h3> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Application Number</td> <td style="width: 50%;">N/A</td> </tr> <tr> <td>Filing Date</td> <td>12/05/2003</td> </tr> <tr> <td>First Named Inventor</td> <td>Roger Thomas</td> </tr> <tr> <td>Art Unit</td> <td>N/A</td> </tr> <tr> <td>Examiner Name</td> <td>N/A</td> </tr> <tr> <td>Attorney Docket Number</td> <td>P-US-PR 1107</td> </tr> </table>		Application Number	N/A	Filing Date	12/05/2003	First Named Inventor	Roger Thomas	Art Unit	N/A	Examiner Name	N/A	Attorney Docket Number	P-US-PR 1107
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Sheet	1	of	2												

U.S. PATENT DOCUMENTS					
Examiner Initials *	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
SS	1	US-6,224,471 B1	05/01/2001	Clowers, et al.	
	2	US- 5,934,985	08/10/1999	Clowers, et al.	
	3	US- 5,815,934	10/08/1998	Eichberger, et al.	
	4	US- 5,518,442	05/21/1996	Clowers, et al.	
	5	US- 5,463,816	11/07/1995	Bellaw, et al.	
	6	US- 5,383,275	01/24/1995	Hild, et al.	
	7	US- 5,349,752	09/27/1994	Stirn	
	8	US- 5,237,781	08/24/1993	Demetrius	
	9	US- 5,419,737	05/30/1995	Brazell, et al. (Ryobi)	
	10	US- 4,601,104	07/22/1986	Zaiser, et al.	
	11	US- 4,967,516	11/06/1990	Hoshino, et al. (Ryobi)	
	12	US- 5,595,531	01/21/1997	Niemela, et al. (Ryobi)	
	13	US- 3,938,283	02/17/1976	Keith, Jr.	
	14	US- 3,583,821	08/08/1971	Shaub, et al.	
	15	US- 2,871,897	02/03/1959	A. Hesse, et al.	
	16	US- 2,707,527	05/03/1955	G.A. Brace	
	17	US- 2,707,028	04/28/1955	R.B. Burton	
	18	US- 1,792,313	02/10/1931	J.T. La Measure, et al.	
	19	US- 8,256,832 B1	07/10/2001	DYSON	
	20	US- 2002/0174774 A1	11/28/2002	CHEN	

FOREIGN PATENT DOCUMENTS						
Examiner Initials *	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
SS	1	WO 95/34238	12/21/95	Svaneborg		
	2	GB 2,343,393	05/10/00	Keusch, et al. (BOSCH)		
	3	JP 2002 326160 A	11/12/02	Takahashi		
	4	DE 31 13496 A1	10/21/82	Geis		
	5	DE 31 26511 A1	03/10/83	Buschbaum		
	6	DE 198 51 064 A1	06/10/99	Makita		

Examiner Signature	SS	Date Considered	7/05
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number

N/A

Filing Date

12/05/2003

First Named Inventor

Roger Thomas

Art Unit

N/A

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Attorney Docket Number

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		Number - Kind Code ² (if known)			
SS	21	US- 6,159,085	12/12/2000	Hara (Makita)	
	22	US- 5,974,626	11/02/1999	Wood	
	23	US- 5,833,524	11/10/1998	Sato, et al. (Ryobi)	
	24	US- 5,341,605	08/30/1994	Tasikas	
	25	US- 4,758,023	07/19/1988	Vermillion (Singer)	
	26	US- 4,598,500	07/08/1986	Faraudo, et al.	
	27	US- 4,334,390	08/15/1982	Sumerau (singer)	
	28	US- 4,192,104	03/11/1980	Patenaude	
	29	US- 4,118,897	10/10/1978	Martin	
	30	US- 3,802,284	09/02/1975	Hestily (singer)	
	31	US- 3,566,548	03/02/1971	Beckering, et al.	
	32	US- 3,535,829	10/27/1970	Dudek	
	33	US- 3,180,063	04/27/1965	Burrows, et al.	
	34	US- 2,991,595	07/11/1961	Addis	
	35	US- 6,514,131	02/04/2003	Reich, et al. (BOSCH)	
	36	US- 5,878,607	03/09/1999	Nunes, et al. (J&J)	
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FOREIGN PATENT DOCUMENTS

Examiner Initials ^a	Cite No. ¹	Foreign Patent Document	^b Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document ^c	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ^d
		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
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